

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Laura Kramer et al

Confirmation No.:

Application No.:

Examiner:

Filing Date: Herewith

Group Art Unit:

Title: INK-JETTABLE REACTIVE POLYMER SYSTEMS FOR FREE-FORM FABRICATION OF SOLID THREE-DIMENSIONAL OBJECTS

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97 (c) together with either a:
 ☐ Statement under 37 CFR 1.97(e), or
 ☐ a \$180.00 fee under 37 CFR 1.17(p), or
 (After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:
 ☐ Statement under 37 CFR 1.97(e)(1) or (2), and
 ☐ a \$180.00 fee set forth in 37 CFR 1.17(p).
 (Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account 08-2025 the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

☒ I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450. Date of Deposit: 11/8/03

OR

☐ I hereby certify that this paper is being transmitted to the Patent and Trademark Office facsimile number _____ on _____
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Typed Name: W. Bradley Haymond

Signature: W. Bradley Haymond

Respectfully submitted,

Laura Kramer et al

By W. Bradley Haymond

W. Bradley Haymond

Attorney/Agent for Applicant(s)

Reg. No. 35,186

Date: 11/8/03

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PATENT APPLICATION

Sheet 1 of 2

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 200309793-1	APPLICATION NO.	CONFIRMATION NO.
APPLICANT Kramer et al.			
FILING DATE		GROUP	

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	5,204,055	4/20/1993	Sachs et al.
	1B	5,387,380	2/7/1995	Cima et al.
	1C	5,740,051	4/14/1998	Sanders, Jr. et al.
	1D	5,902,441	5/11/1999	Bredt et al.
	1E	6,146,567	11/14/2000	Sachs et al.
	1F	6,165,406	12/26/2000	Jang et al.
	1G	6,259,962	7/10/2001	Gothait
	1H	2002/0016386	2/7/2002	Napadensky
	1I			
	1J			
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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L				
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	1O				
	1P				

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	Lembo, John, "Three Dimensional Printing," ADVANCED MATERIALS & PROCESSES, January 2002.
	1R	Brown, Paul Wencil, "Cements Research Progress 1990."
	1S	Blazdel, P.F. and J.R.G. Evans, "Preparation of Ceramic Inks for Solid Freeforming Using a Continuous Jet Printer," JOURNAL OF MATERIALS SYNTHESES AND PROCESSING, Vol. 7, No. 5, 1999.

EXAMINER

DATE CONSIDERED

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
	200300746-1		
	APPLICANT		
	Oriakhi et al.		
	FILING DATE	GROUP	

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	2A			
	2B			
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	2D			
	2E			
	2F			
	2G			
	2H			
	2I			
	2J			
	2K			

FOREIGN PATENT DOCUMENTS

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2Q	Evans, J.R.G., "Direct Ink Jet Printing of Ceramics: Experiment in Teleology," BRITISH CERAMIC TRANSACTIONS, Vol. 100, No. 3, 2001.
2R	Song, Jin Hua, Mohan J. Edirisinghe, and Julian R.G. Evans, "Formulation and Multilayer Jet Printing of Ceramic Inks," JOURNAL OF THE AMERICAN CERAMIC SOCIETY, 82 (12) 3374-80 (1999).
2S	Merlin, Fabrice, Helene Lombois, Stephane Joly, Nicolas Lequeux, Jean-Louis Halary and Henri Van Damme, "Cement-polymer and clay-polymer nan- and meso-composites: spotting the difference," J. MATER. CHEM., 2002, 12, 3308-3315.
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